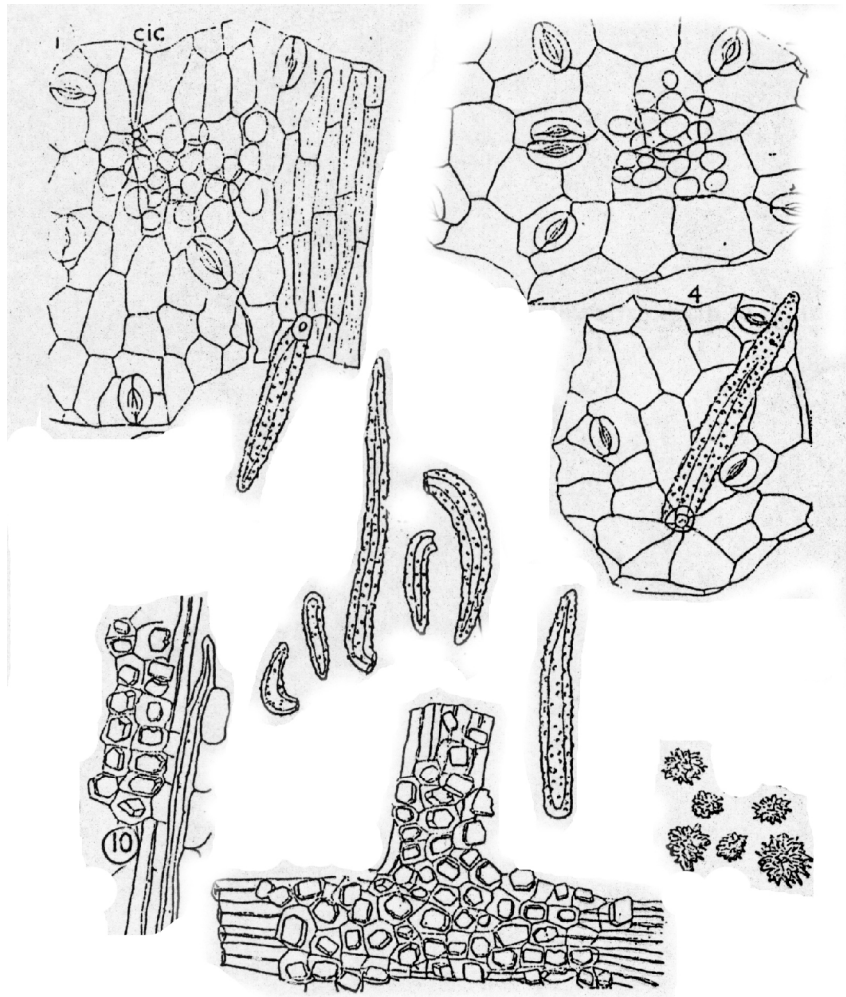


Applied Pharmacognosy
medicinal teas

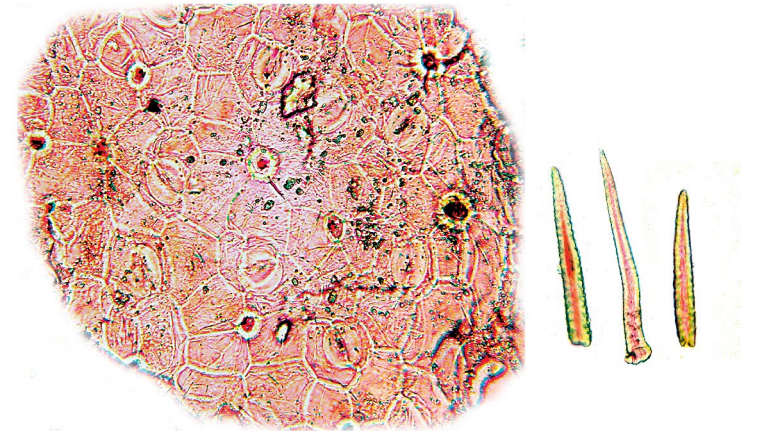
by

Applied Pharmacognosy Group
(APG)

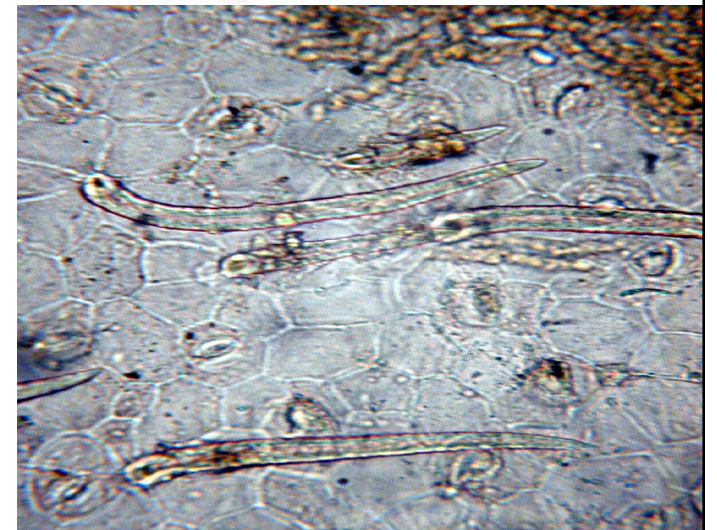
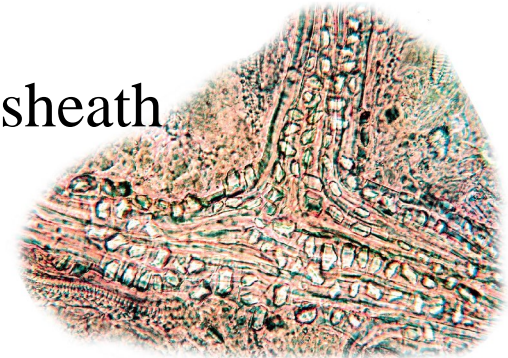


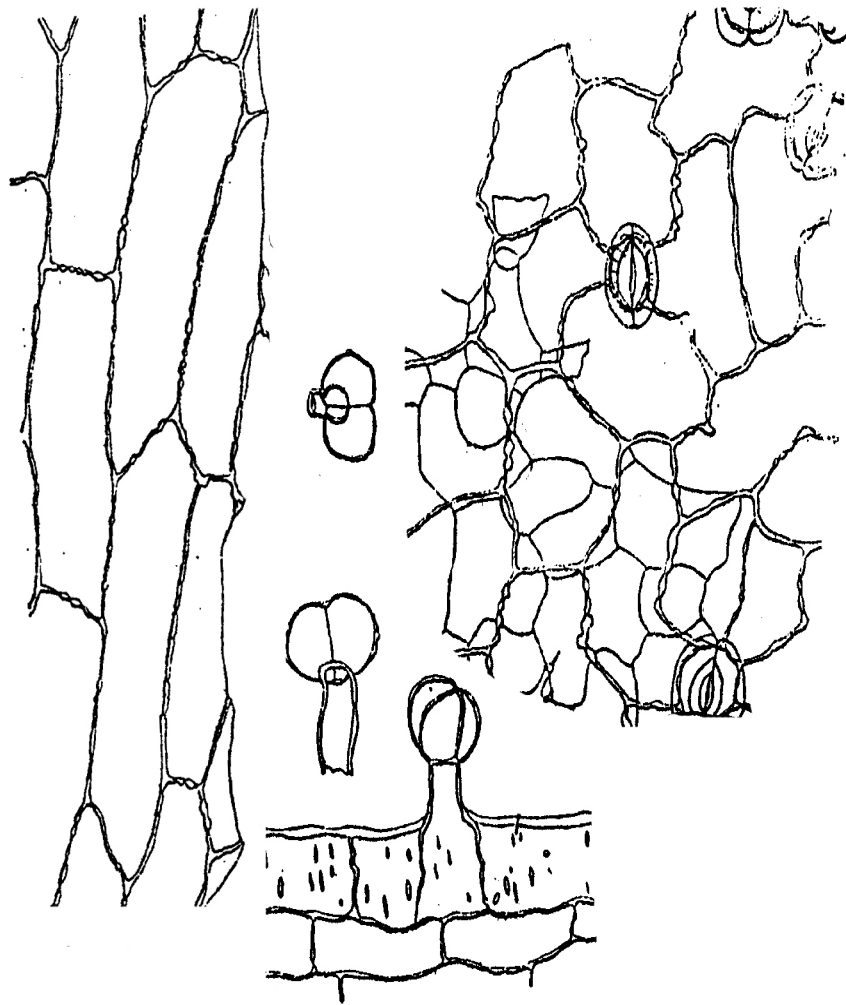
Senna
leaflet K.E.

Paracytic stomata
and non glandular
trichom with warty
cuticle



True crystal sheath



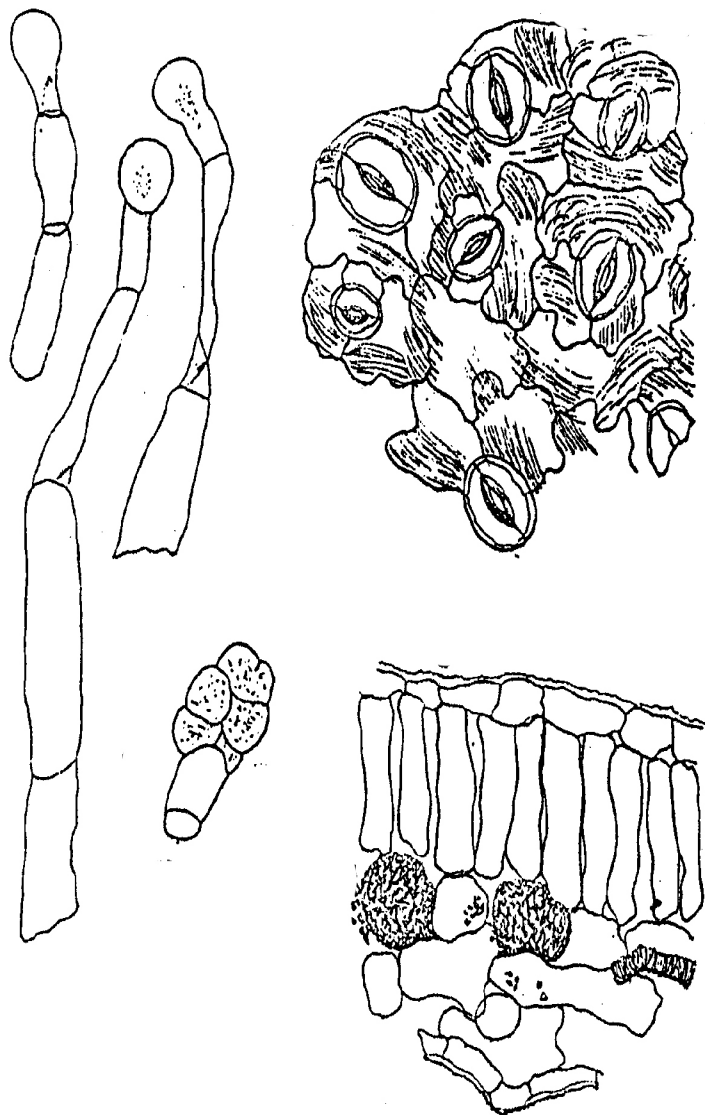


Digitalis lanata K.E.

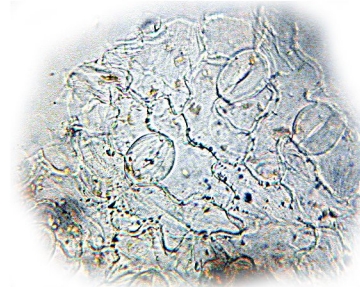
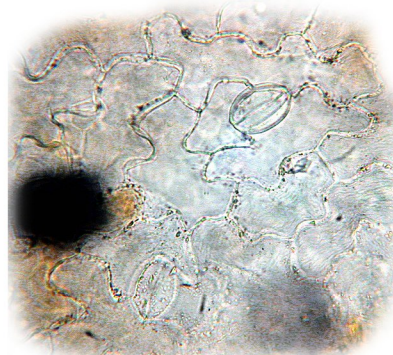
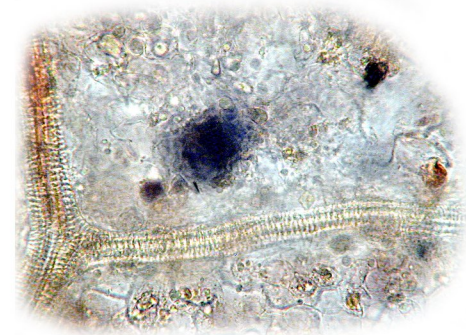
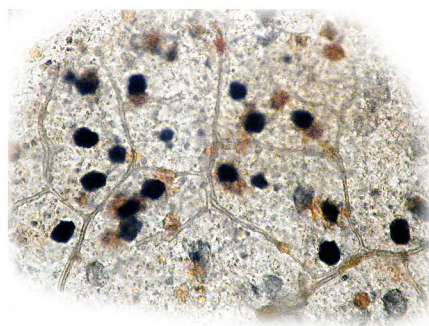
Beaded wall epidermis with
Anomocytic stomata



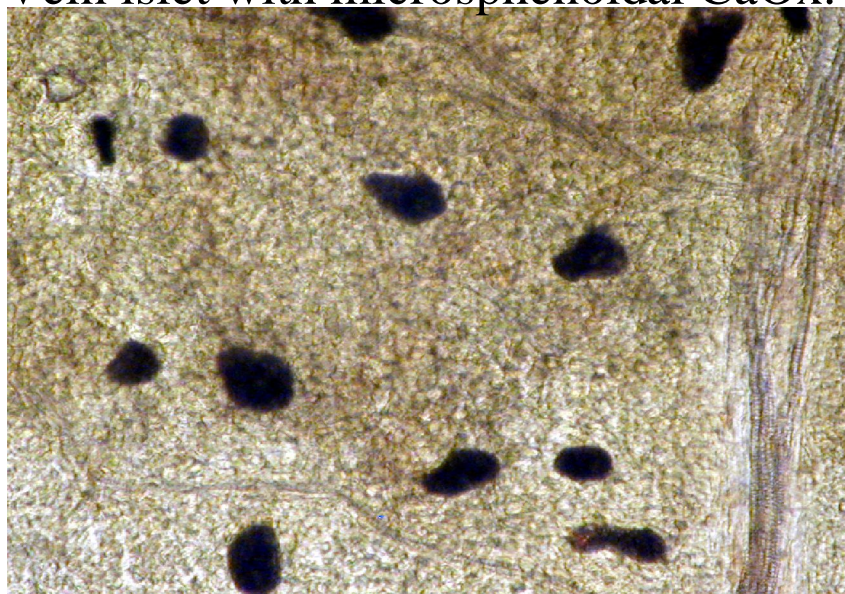
Bicapitate glandular Tr.

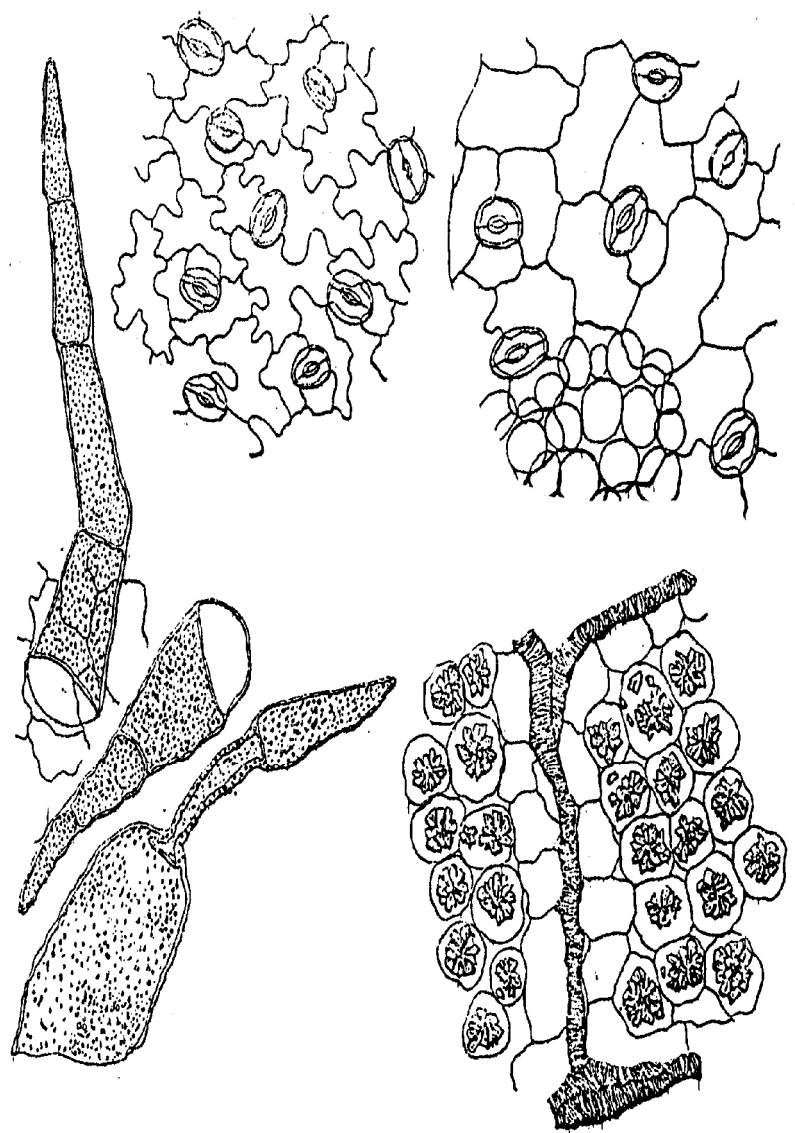


Belladonna leaves K.E.

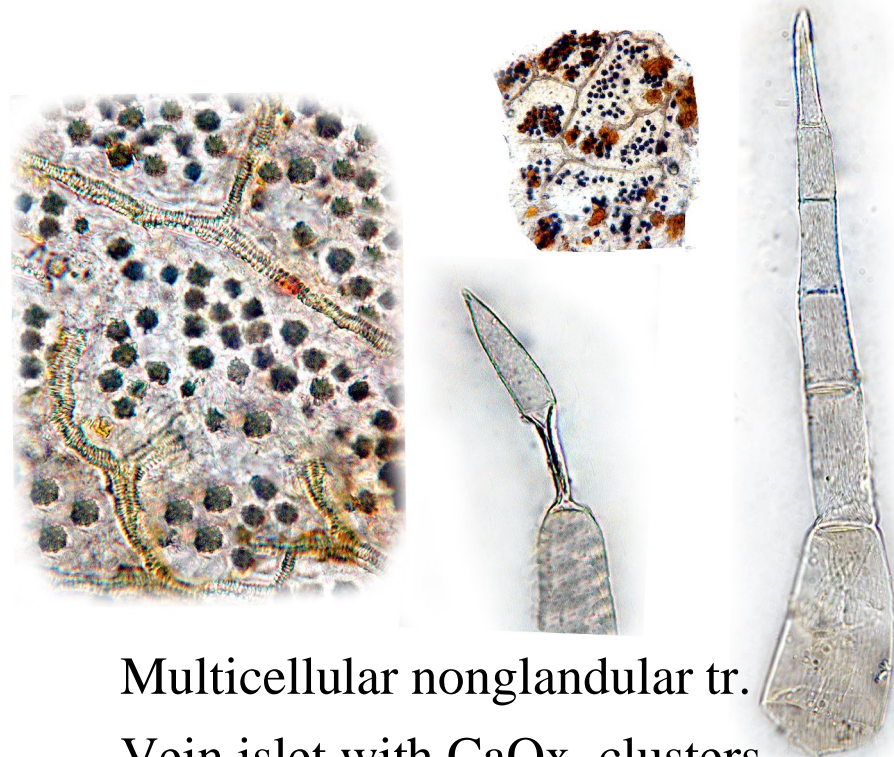


Vein islet with microphenoidal CaOx.



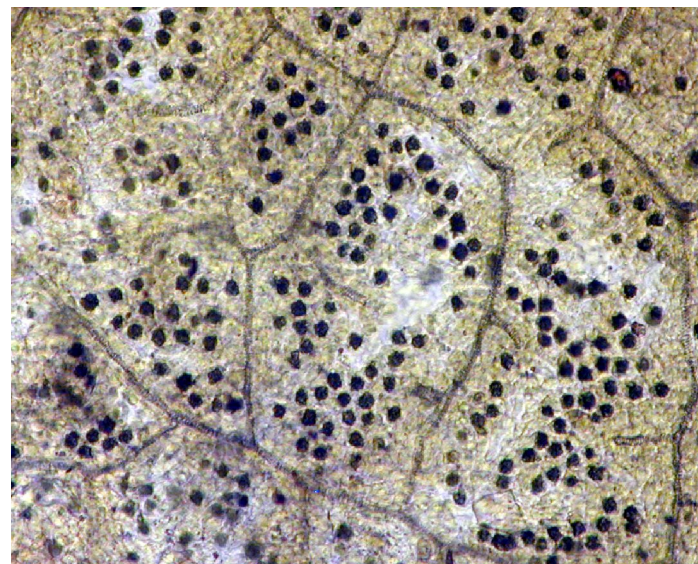


Datura leaves K.E.

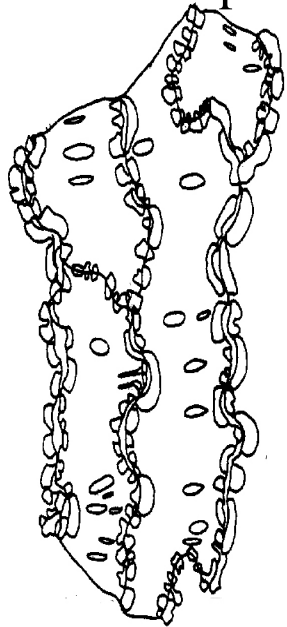


Multicellular nonglandular tr.

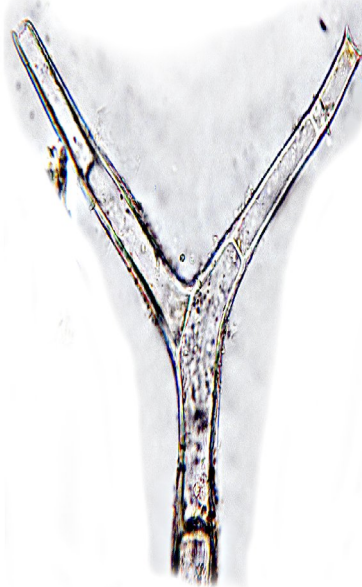
Vein islet with CaOx. clusters



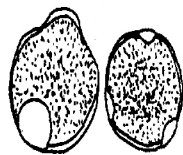
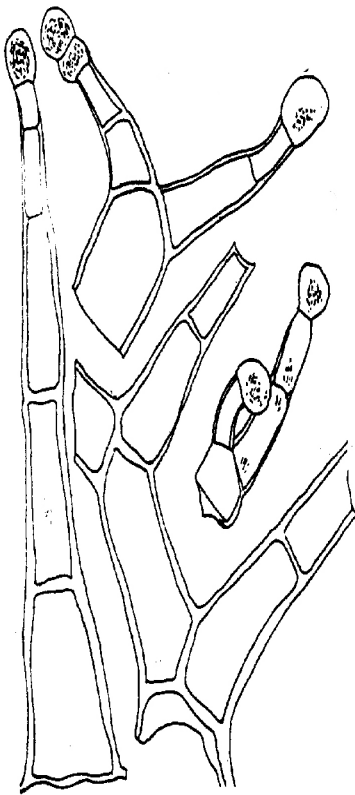
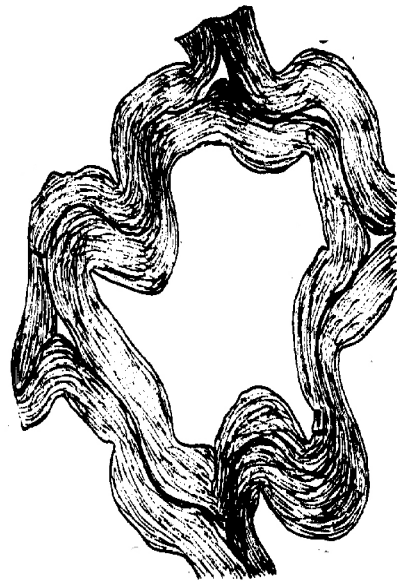
Scleride of pericarp



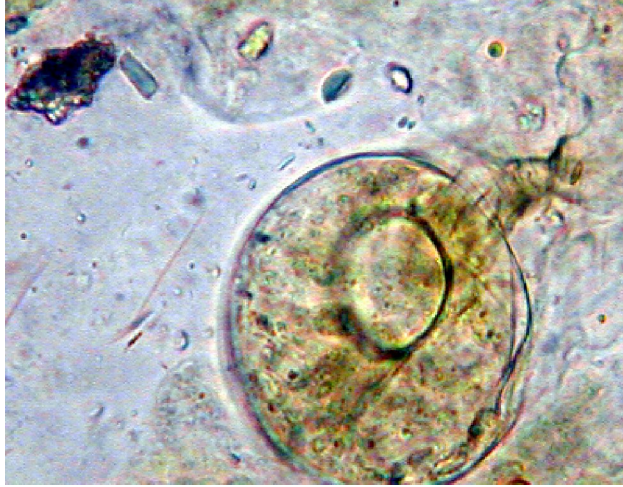
Branched gl. Tr.



Scleride of testa



Hyoscyamus herb K.E.

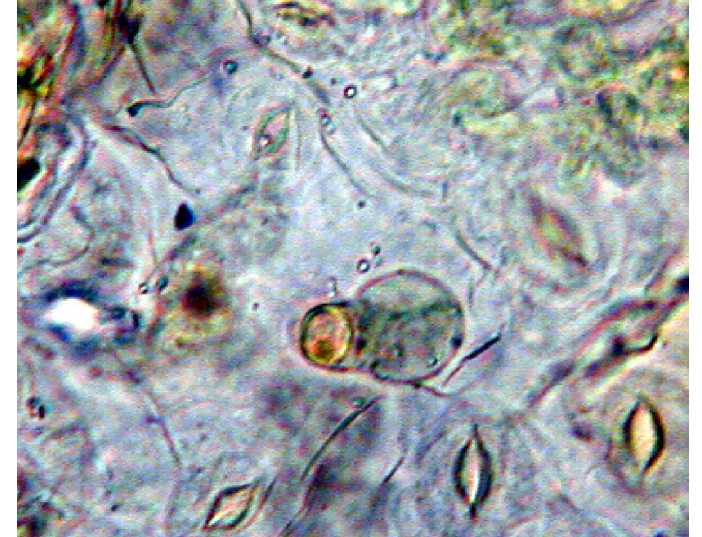


Mentha herb K.E.

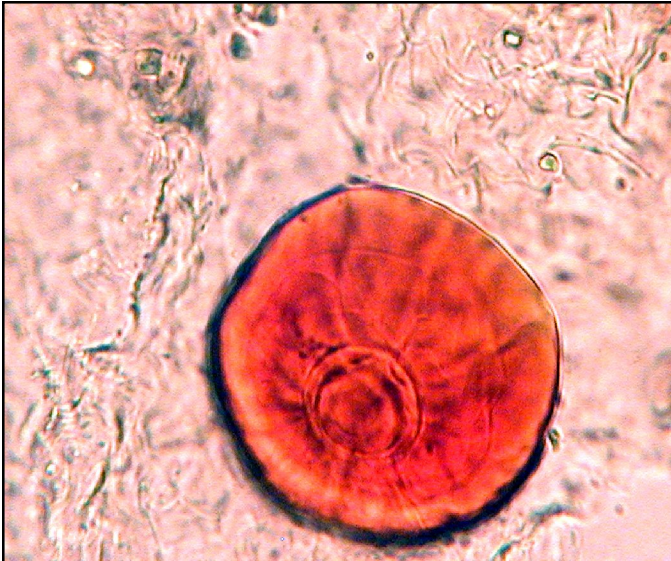
Labiaceous Hair



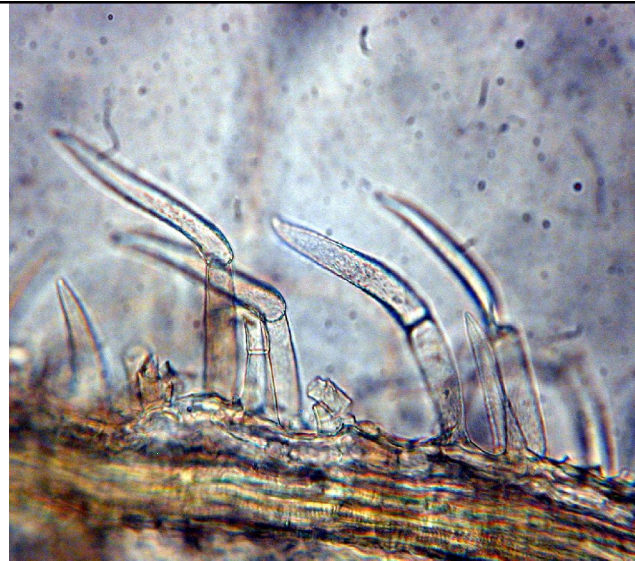
Multicellular nongl. Tr. With
streaked cuticle



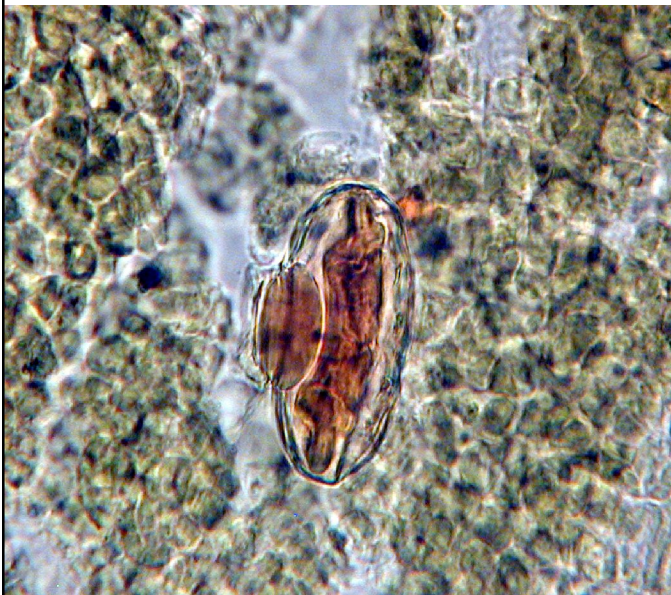
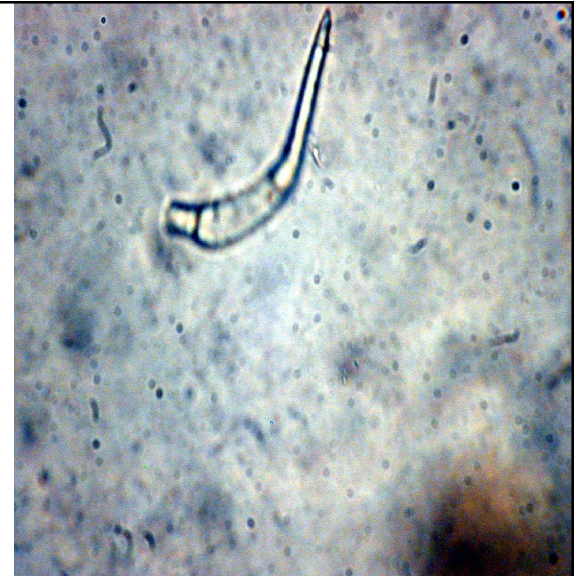
Capitate Hair and
diacytic stomata



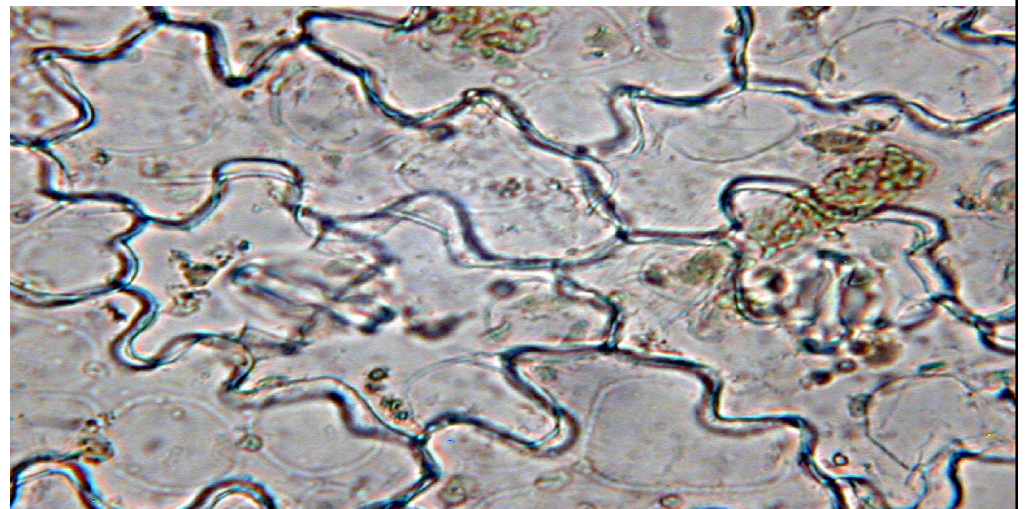
Labiaceous Hair



Bent trichom

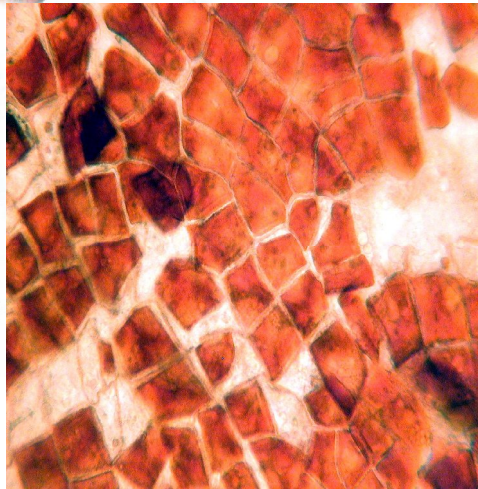
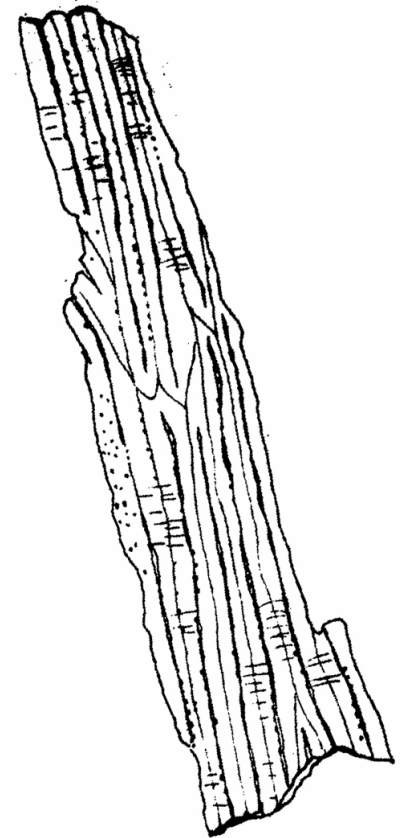
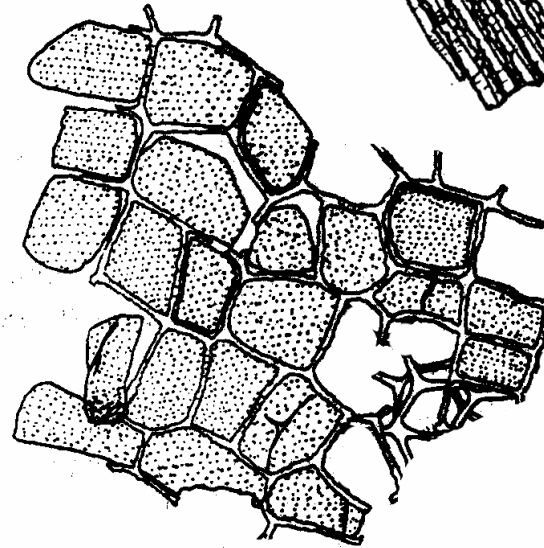
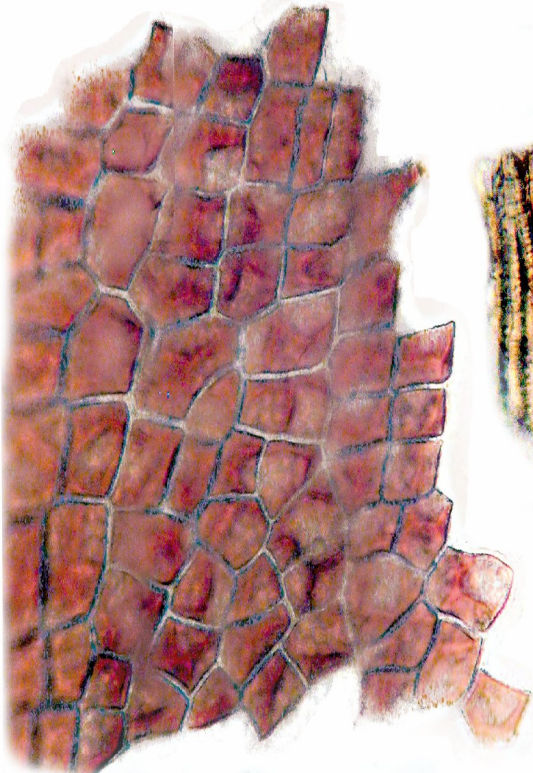


Thymus herb K.E.



Diacytic stomata

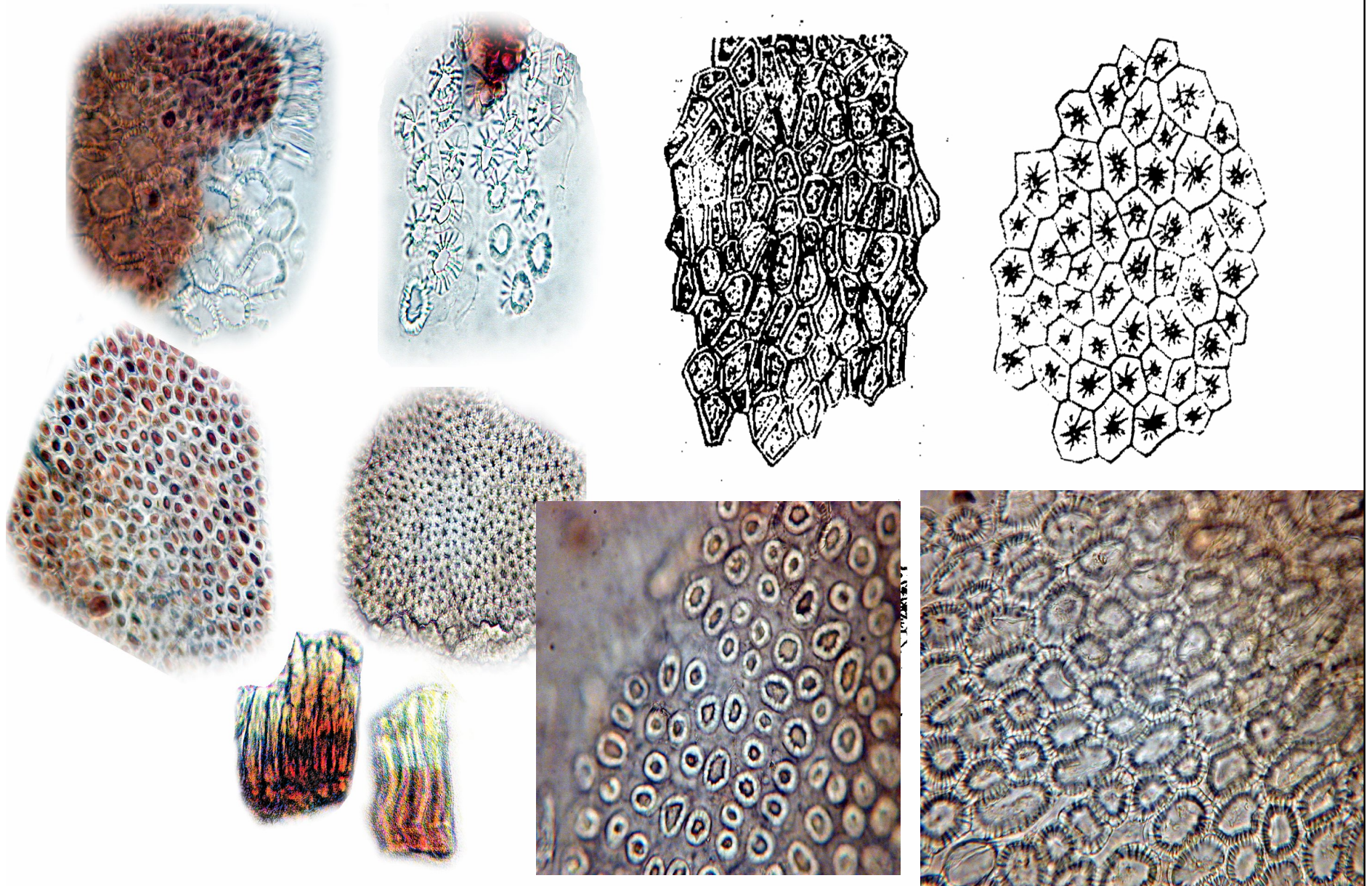
Group of sclerides



Pigment layer

Linseed K.E.

Epidermis (palisade like)BV , TV

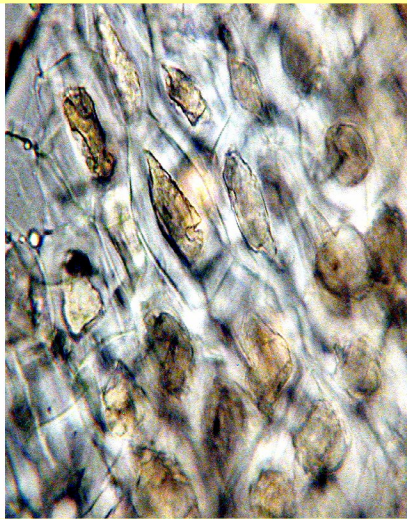


Foenugreek K.E.

Hypodermis basket like) TV , BV

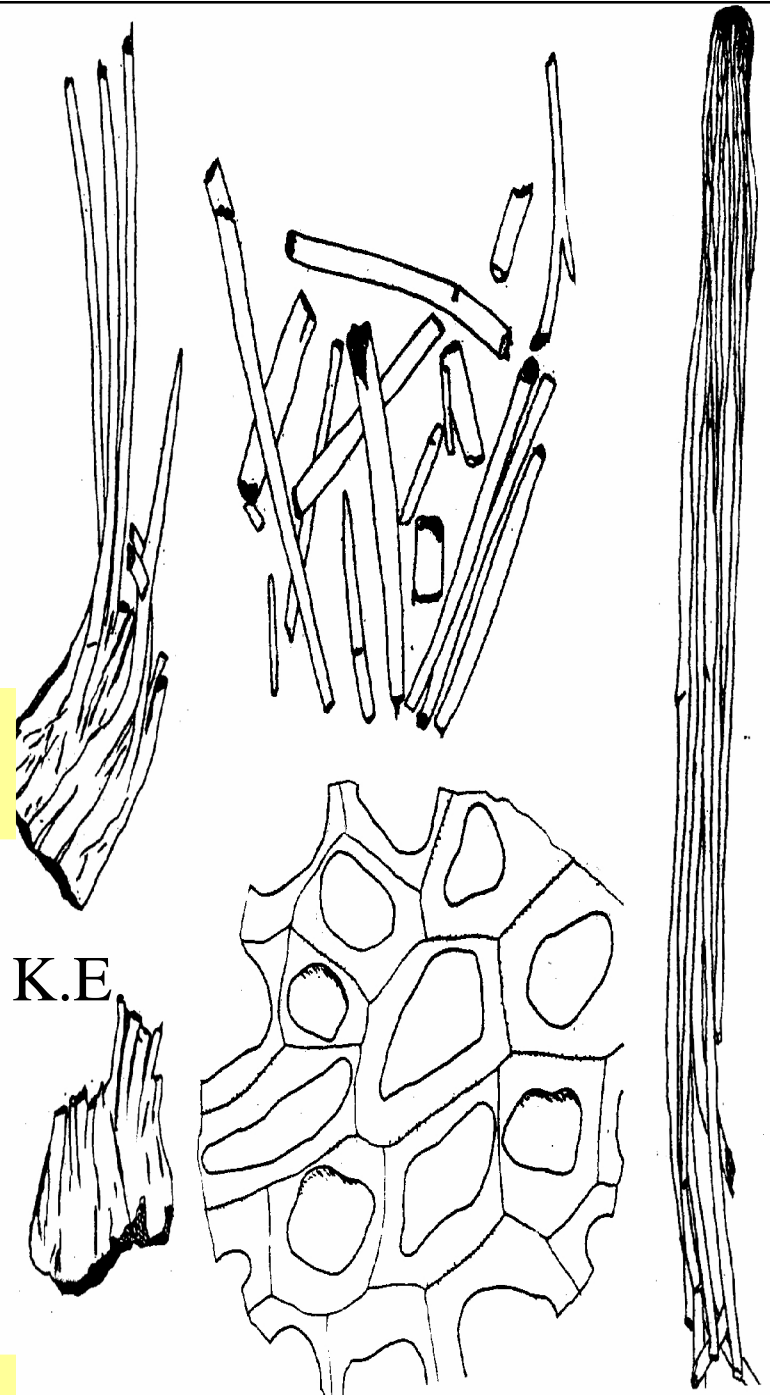


Epidermal cells with remaining rods + scattered broken rods

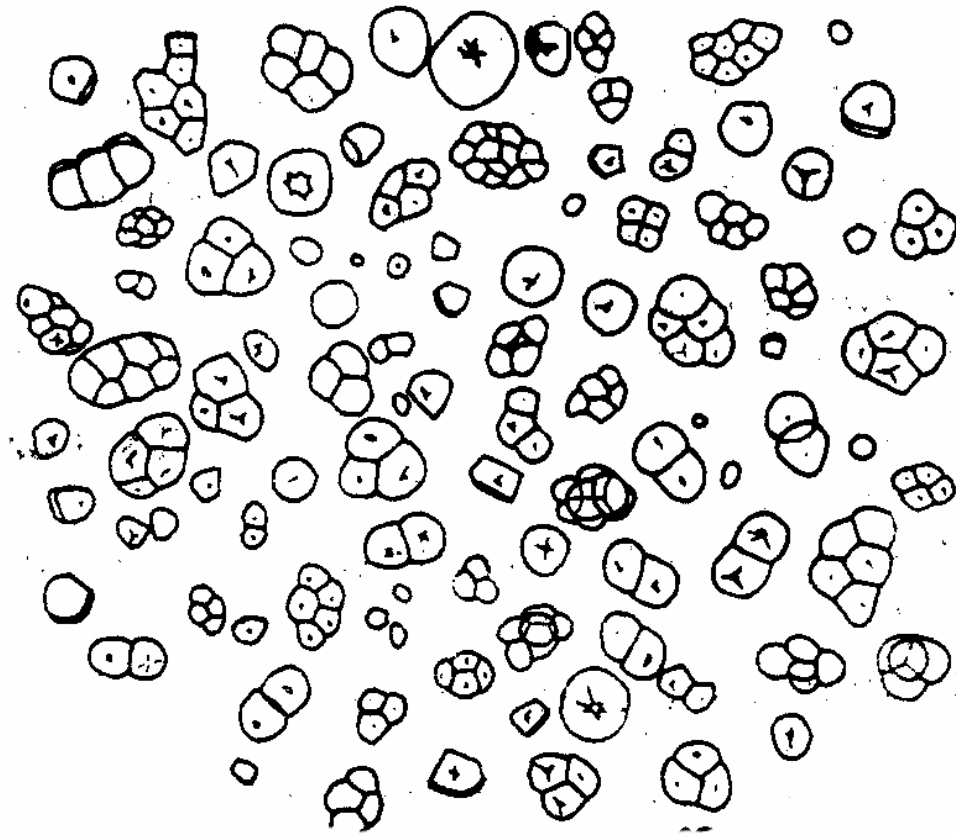
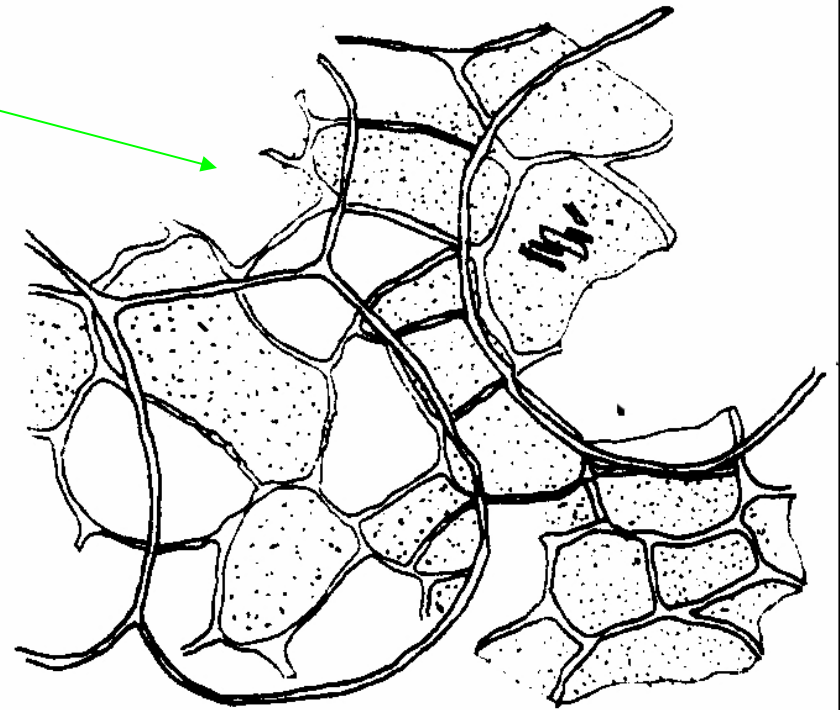
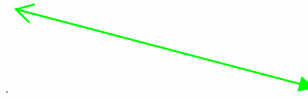


Endosperm with plasmodesmata threads

Nux Vomica K.E



Inner perisperm with oil cells



Starch granules



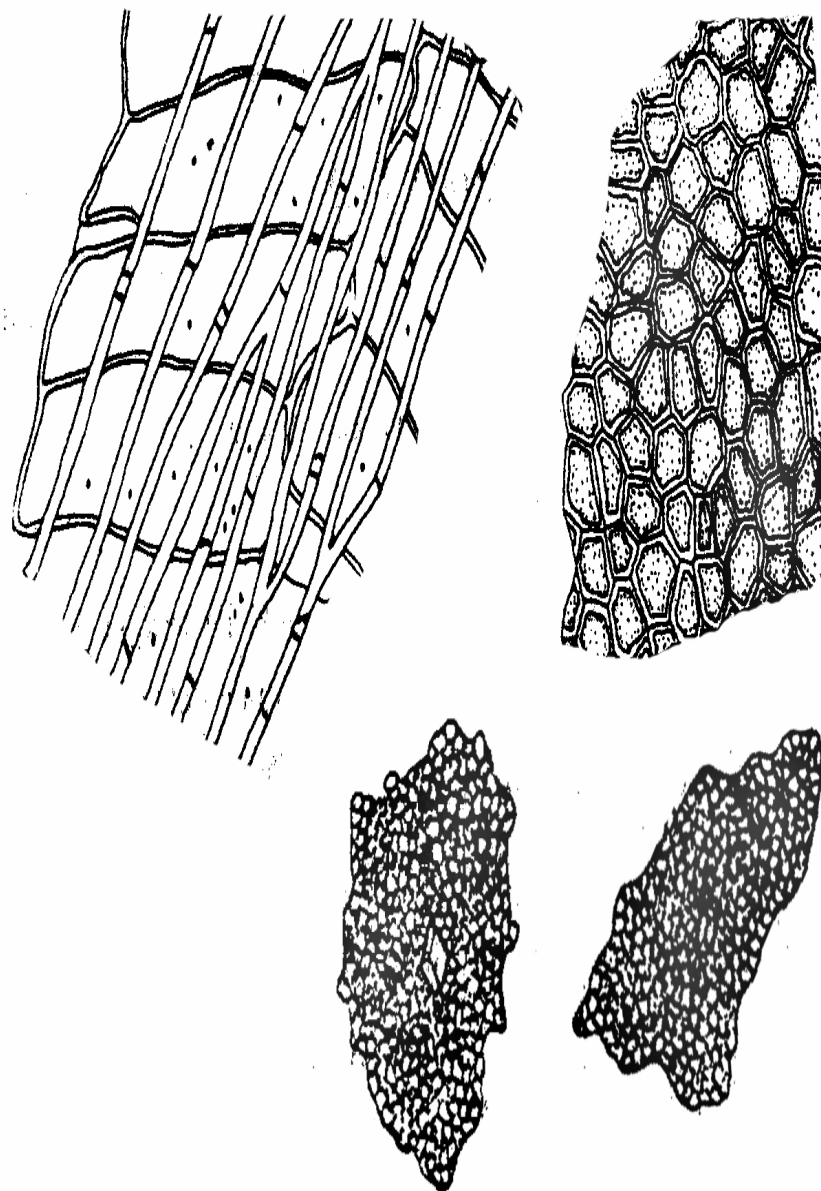
Fat masses

Foenugreek K.E.

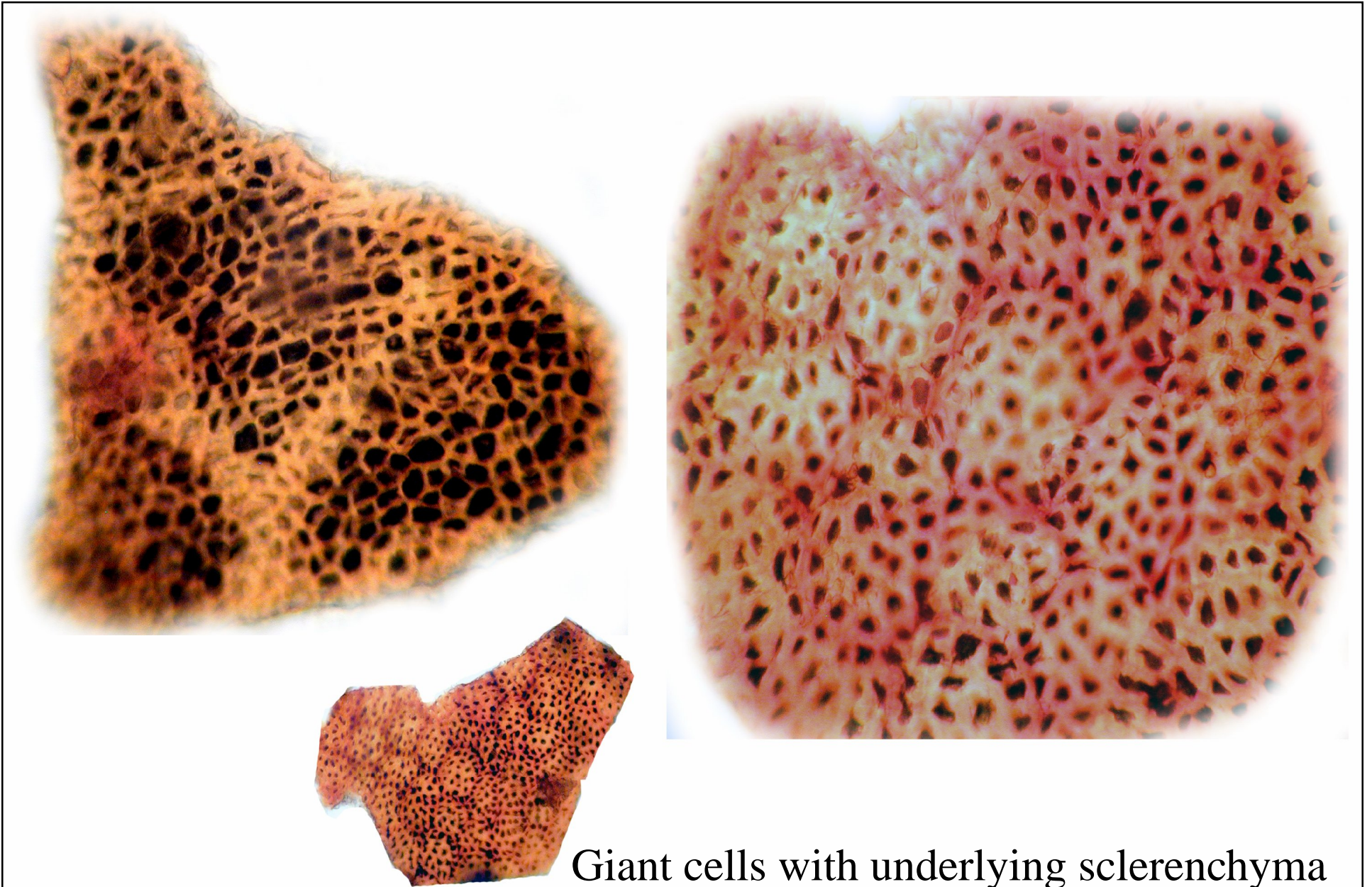
Prosenchyma with underlying oil cells



Cardamom K.E.

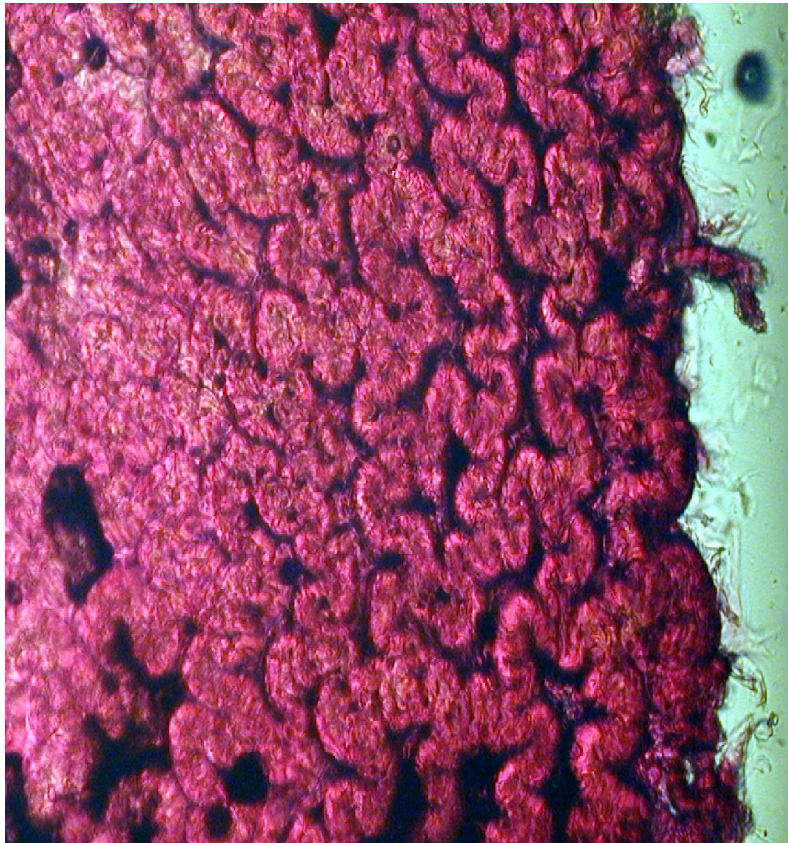


Perisperm filled with starch granules and contains Ca²⁺ oxalate prisms 3-7

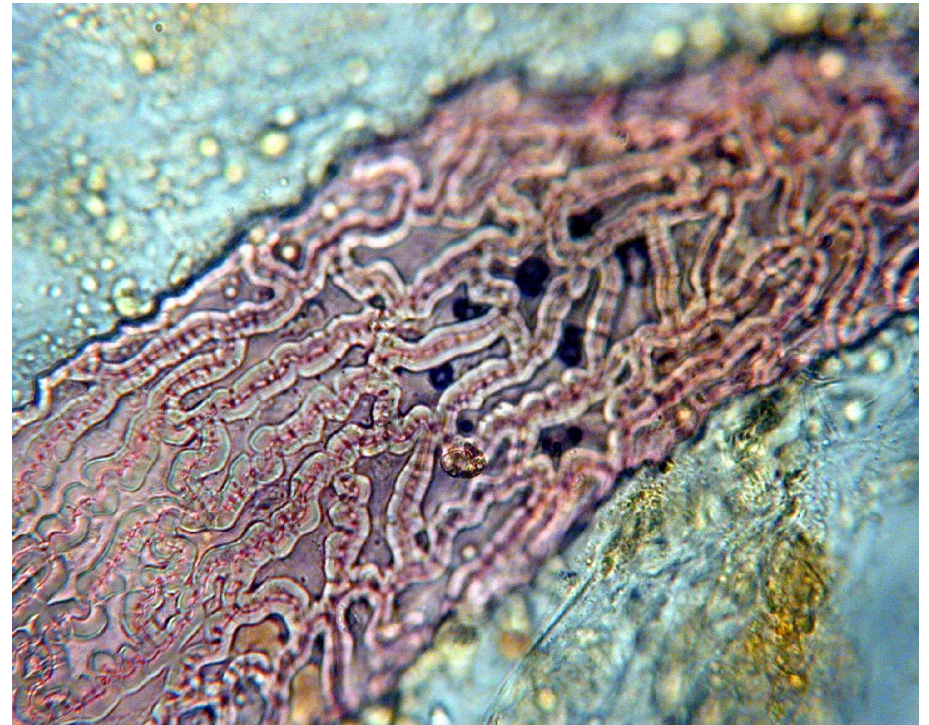


Giant cells with underlying sclerenchyma

Black mustard K.E.



Epidermis of testa in s.v. With ballon like thickening + striated cuticle



Sclerides of endocarp

Capsicum K.E.

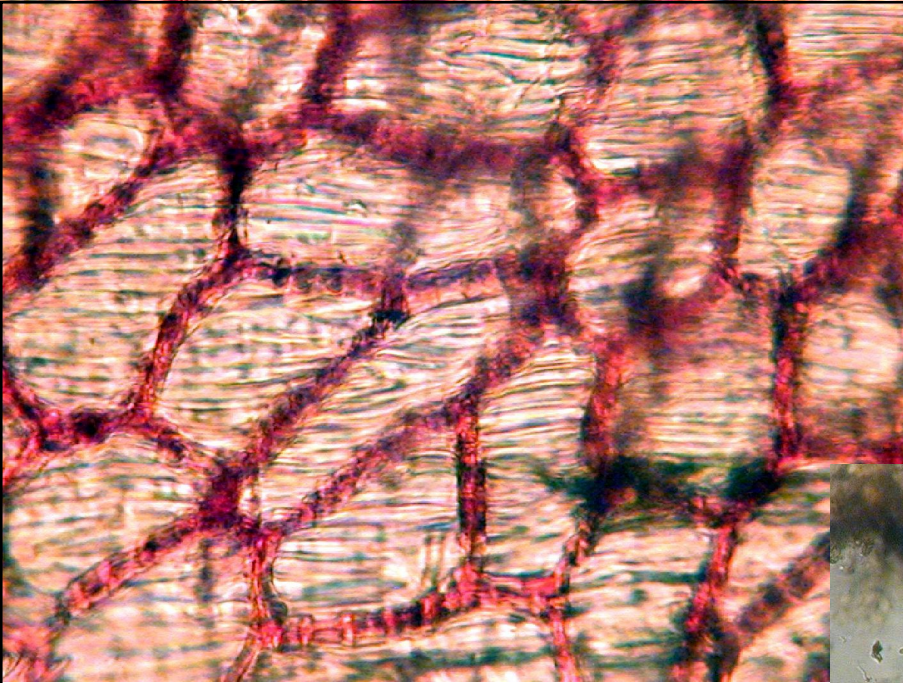


Branched vittae

Anise K.E.

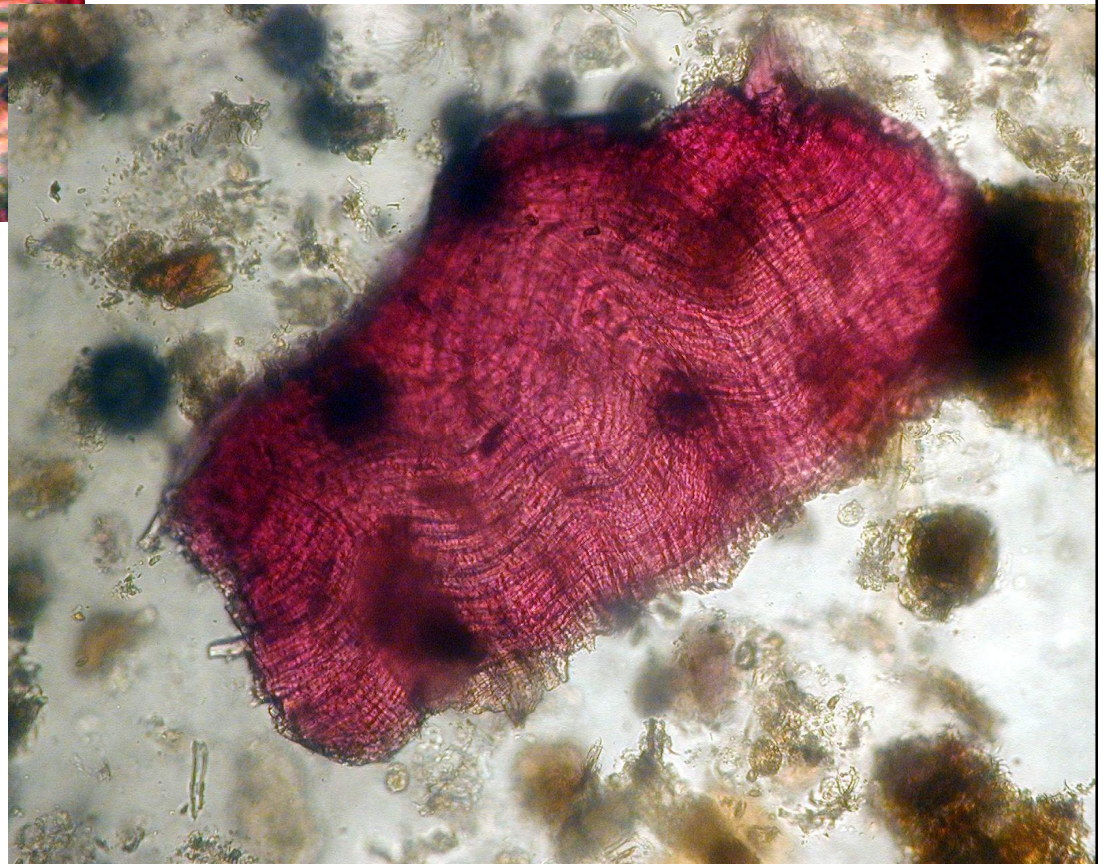
Nonglandular tr.





Rectangular scl. Of mesocarp
with underlying endocarp

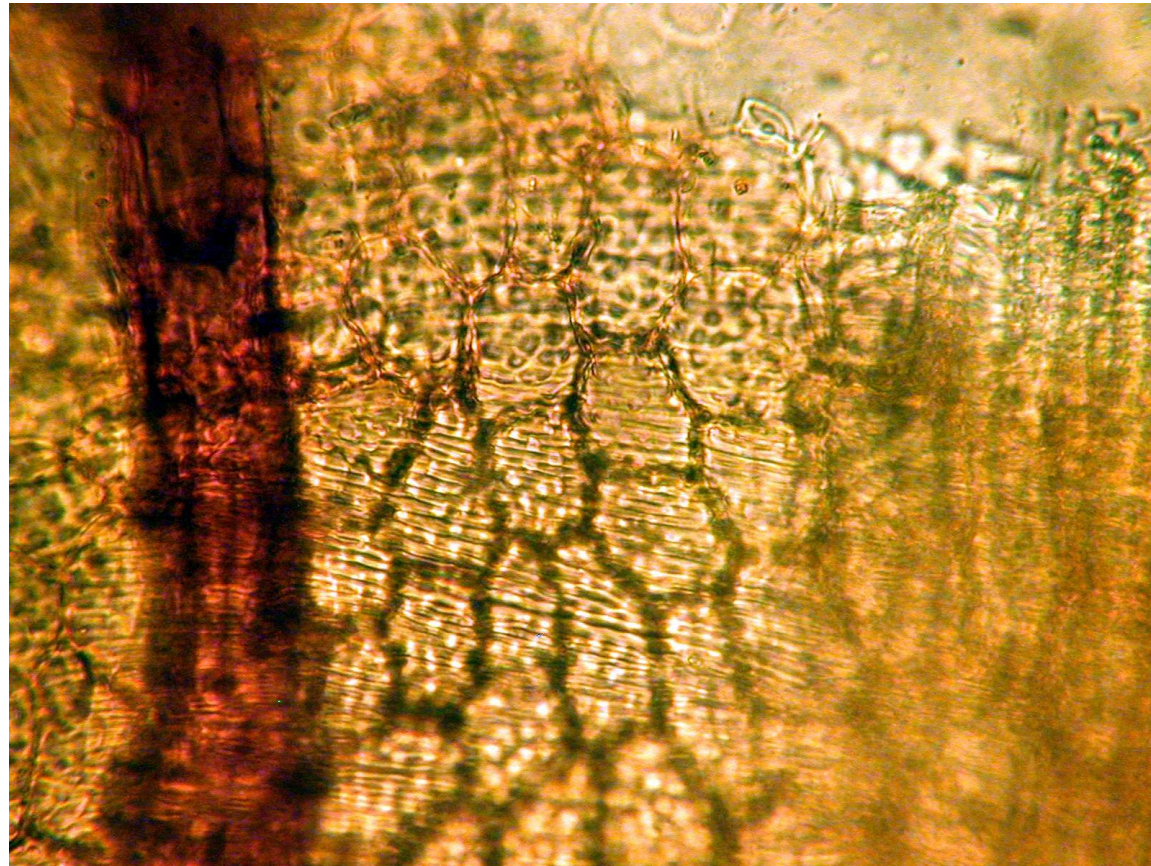
Fusiform scl. Of mesocarp



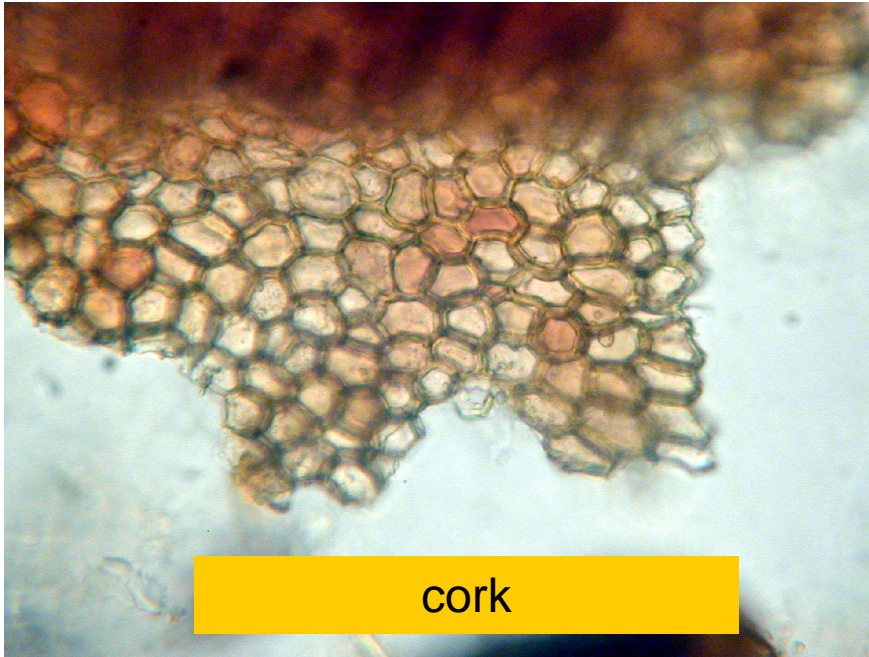
Coriander K.E.

POROUS LAYER

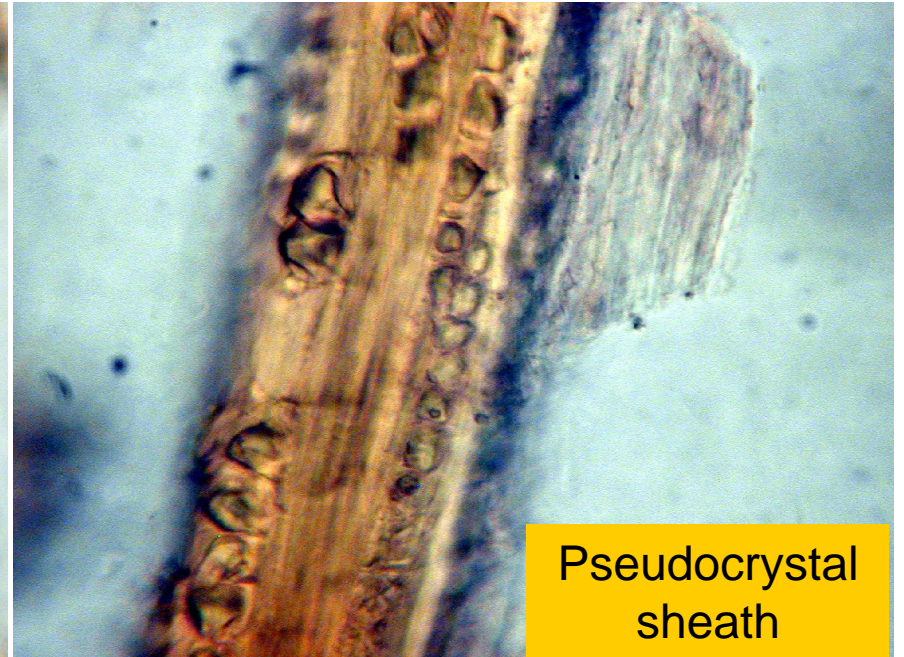
**Innermost layer of mesocarp with
underlying parquetry endocarp (porous
,non lig)**



Ammi Visnaga K.E.

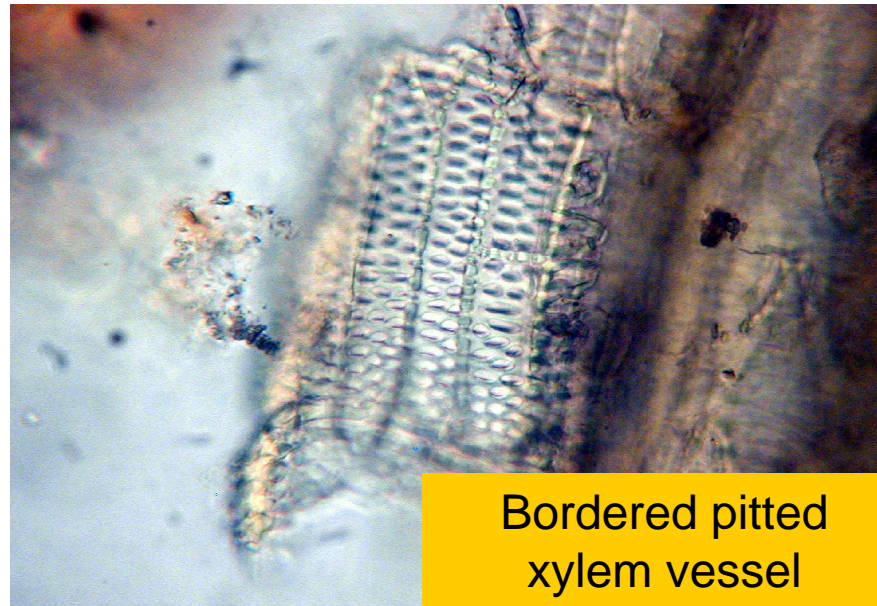


cork



Pseudocrystal
sheath

Liquorice K.E.

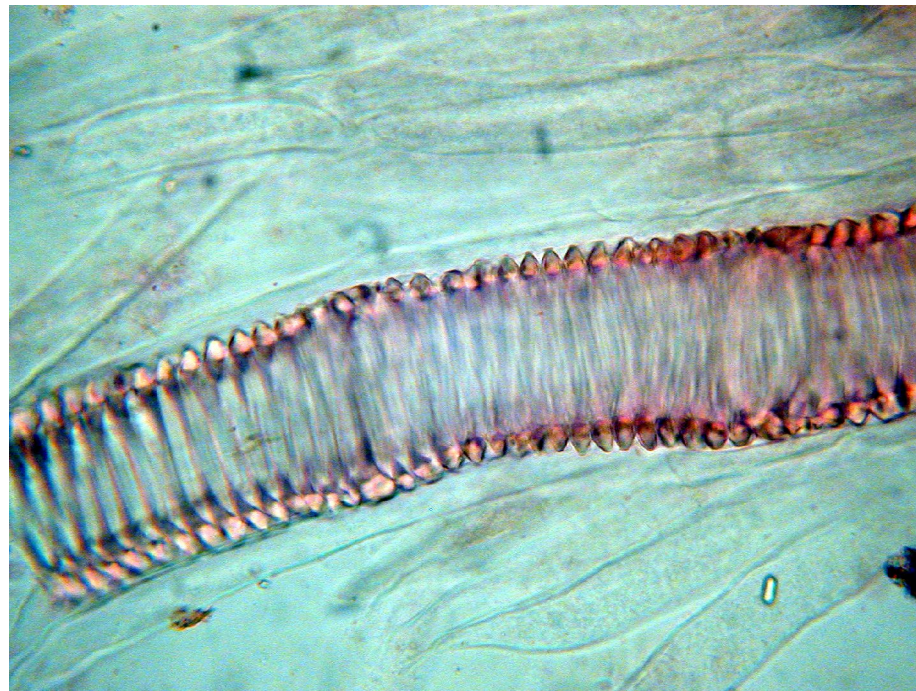


Bordered pitted
xylem vessel

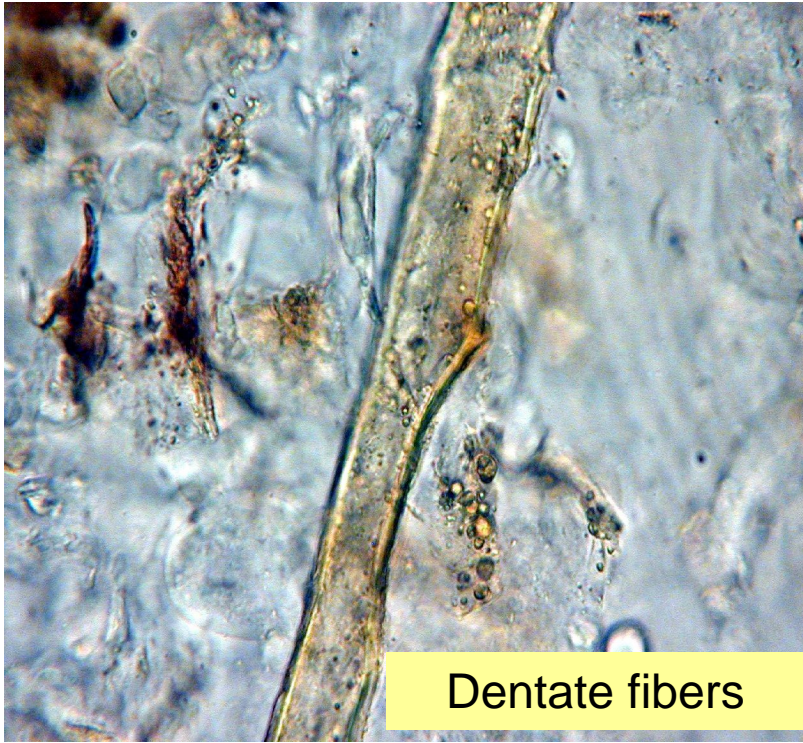


Giant caox clusters

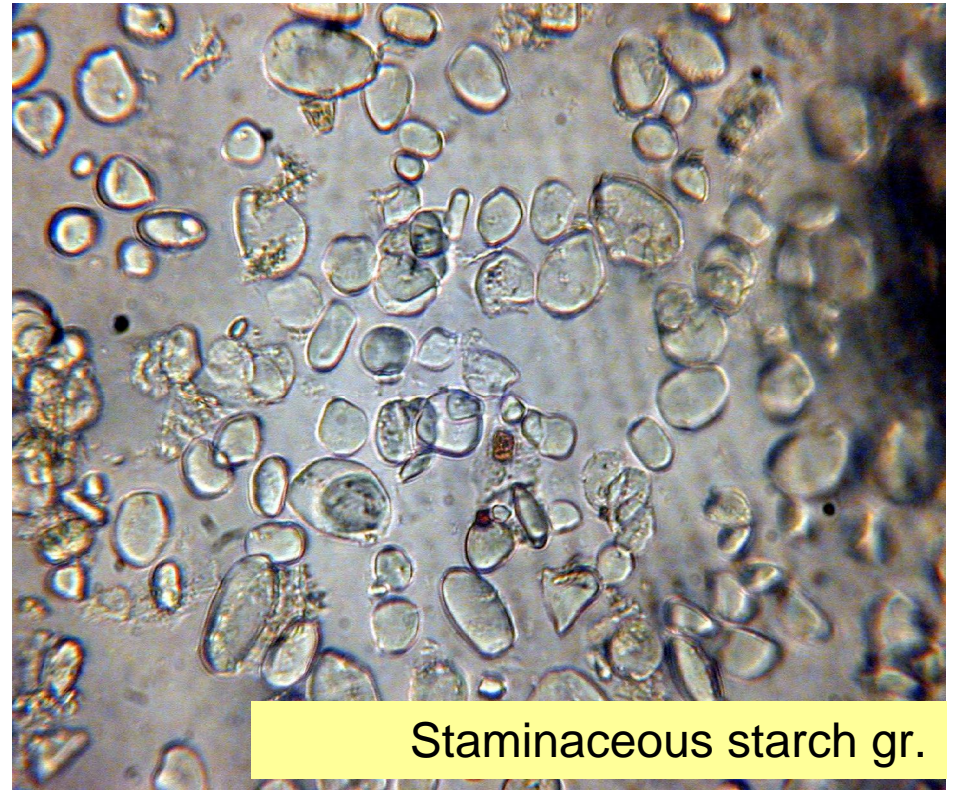
Rhubarb K.E.



Reticulate xylem vessels

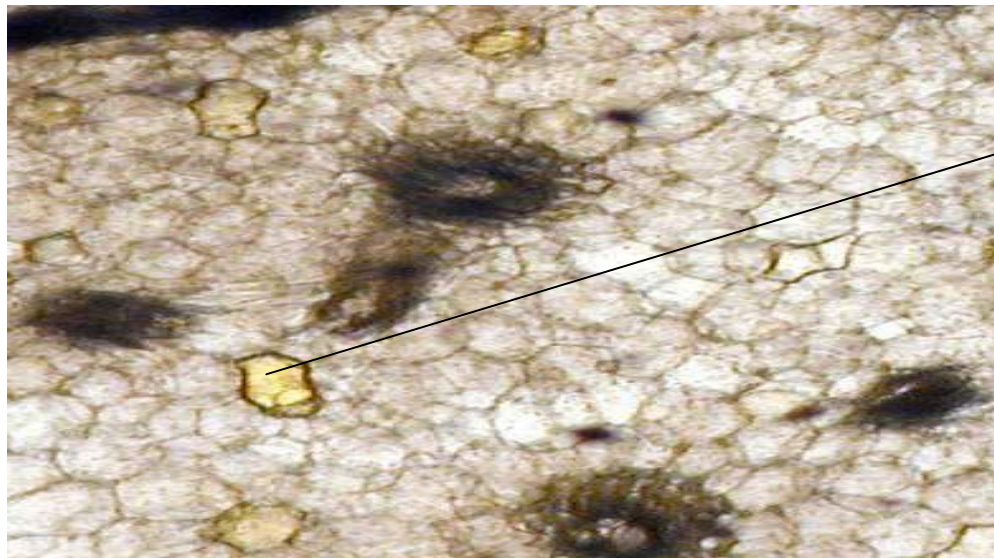


Dentate fibers

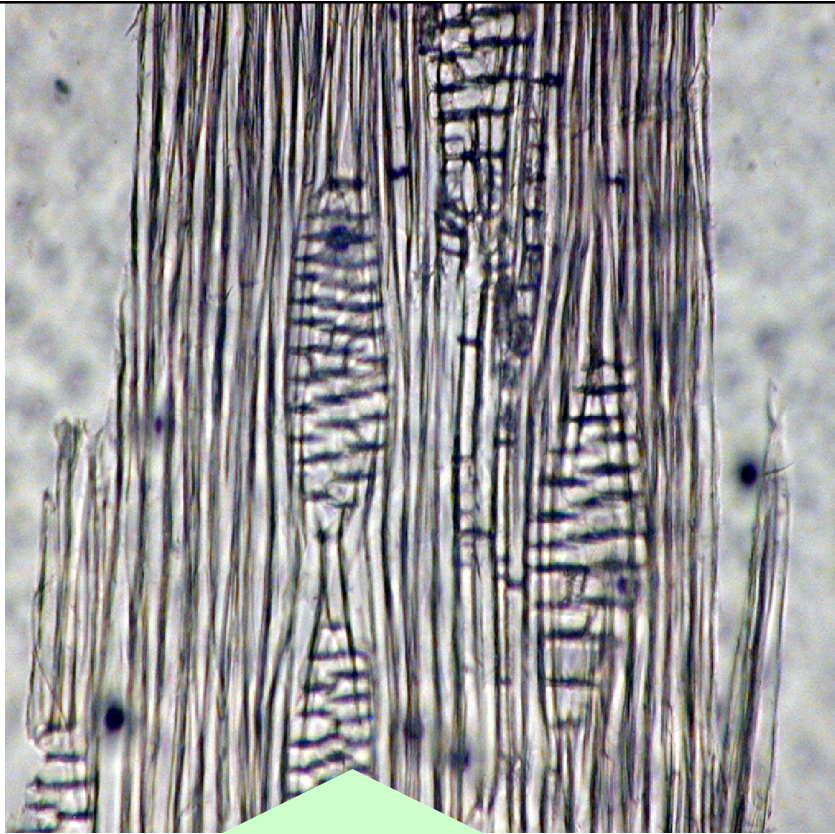


Staminaceous starch gr.

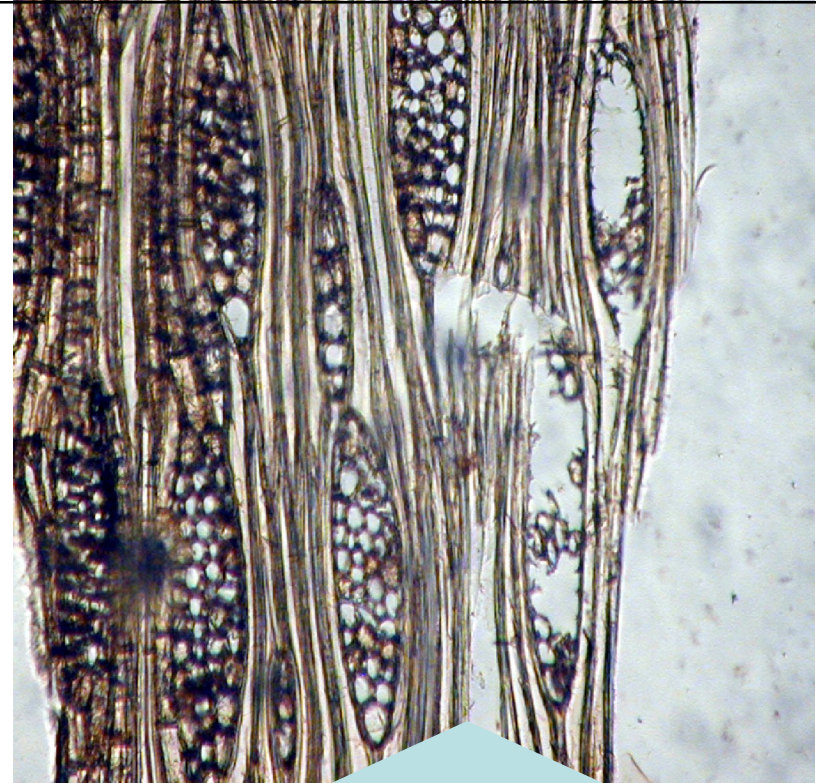
Ginger K.E.



Oleoresin cells



Part of the xylem in RLS showing medullary ray cells, some containing prisms of calcium oxalate, with underlying fibres and xylem parenchyma.

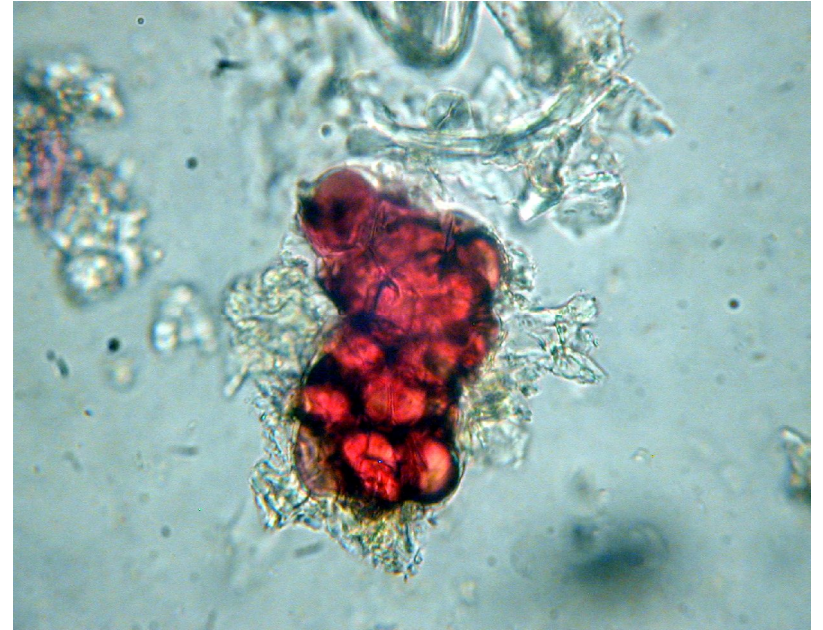


part of the xylem in TLS showing xylem parenchymatous cells(x.p.), some containing prisms of calcium oxalate, part of medullary ray (m.r.) and a bordered pitted vessel.

Quassia wood K.E.

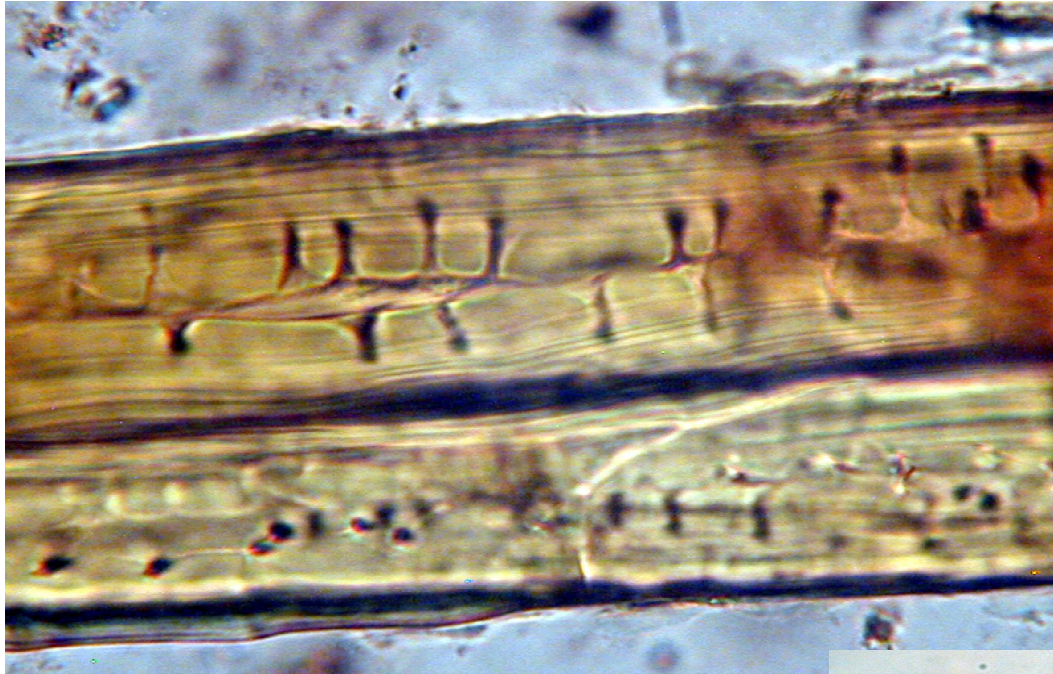


Fibrous sclerides



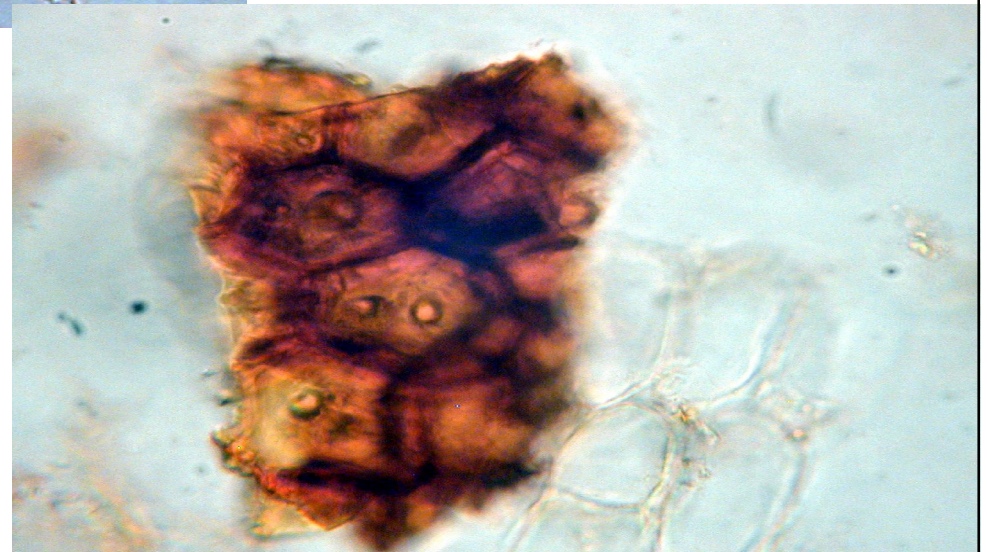
Lignin bodies

Galls K.E.



Yellow lignified ,
thick wall with
striations and funnel
shaped pits

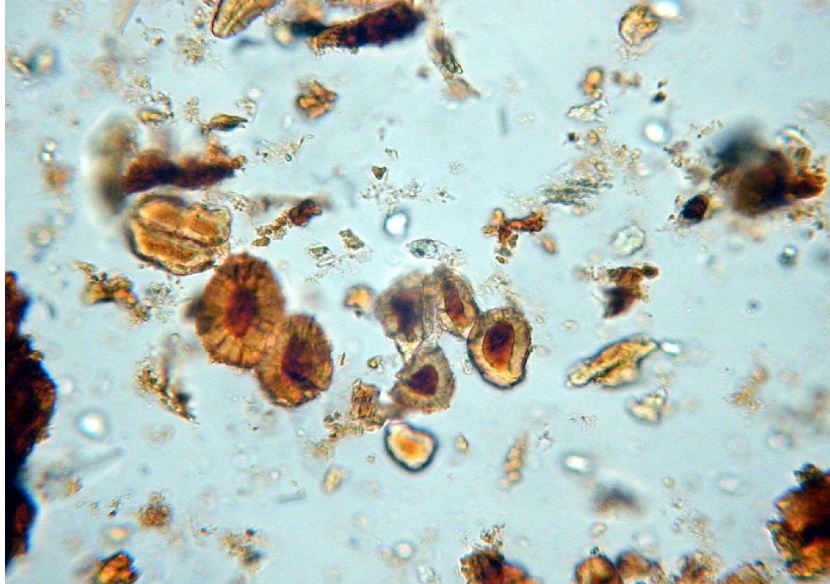
Cinchona K.E.



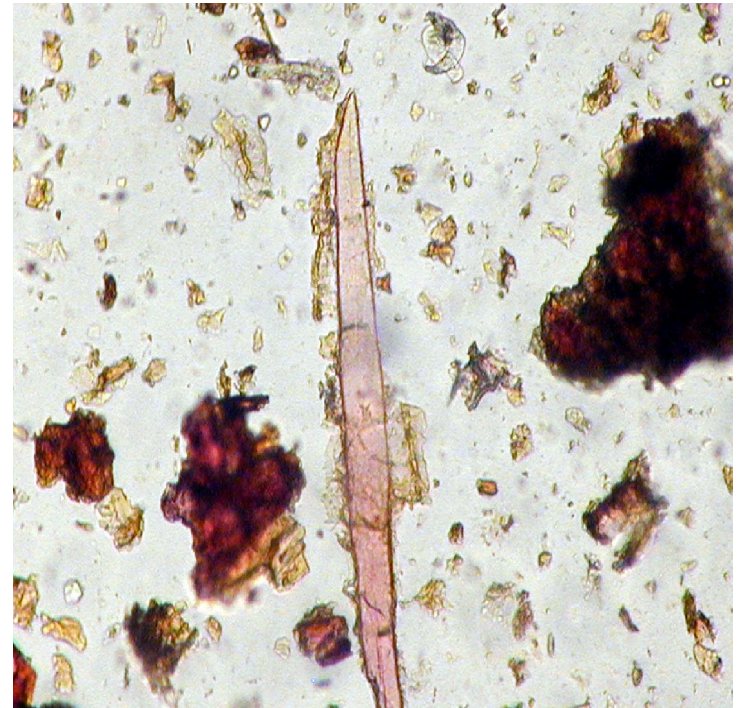
Cork in surface view



Cork in surface view



Sclerides from pericycle



Thick wall lignified with
narrow lumen , pointed
acute apex

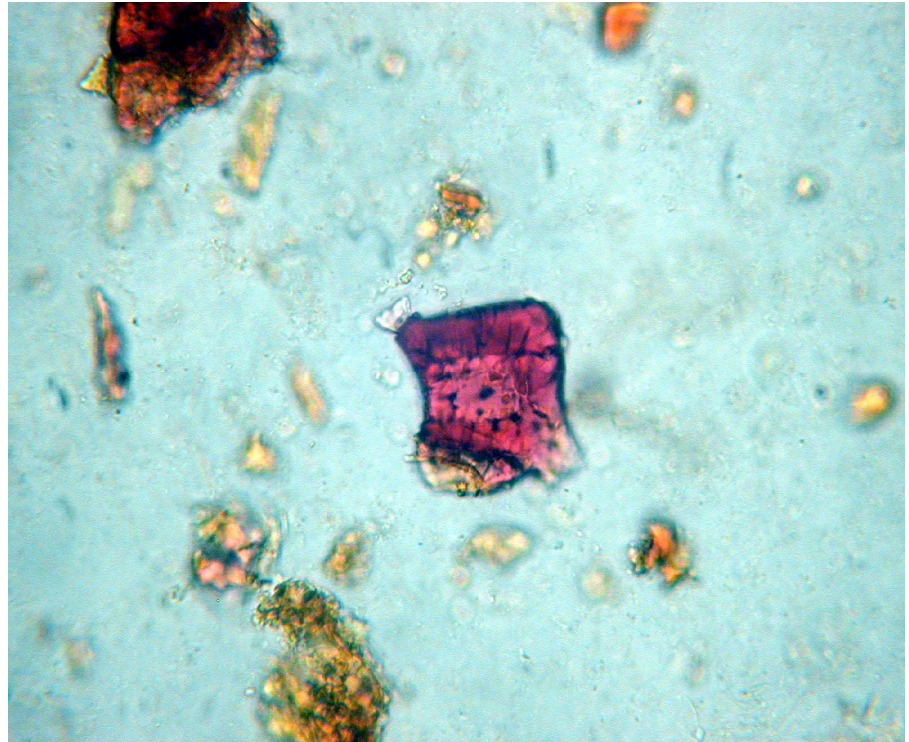
Cassia K.E.

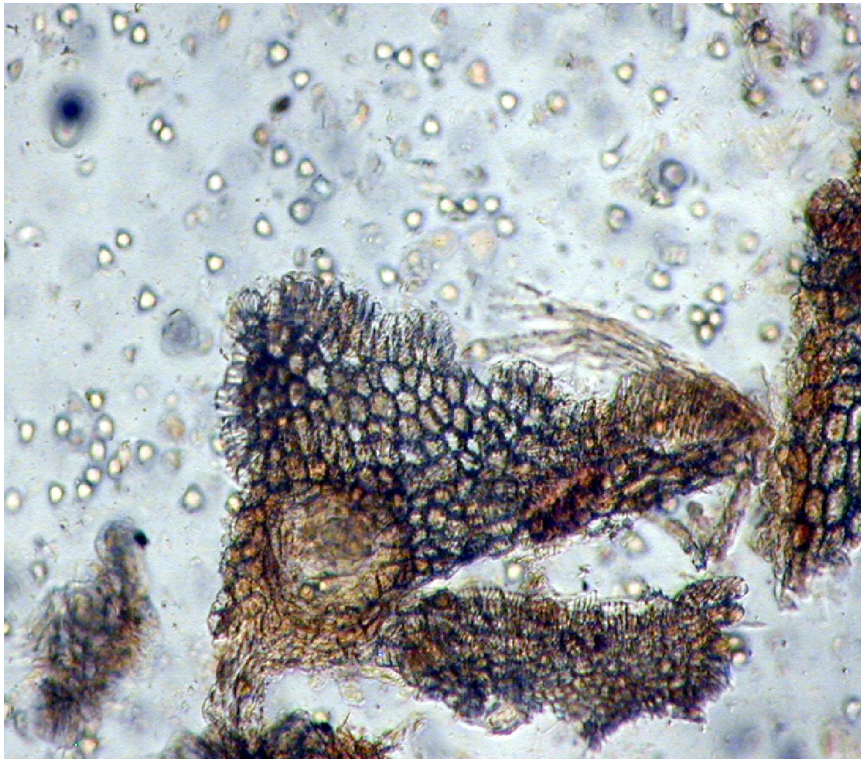


fibers

Cinnamon K.E.

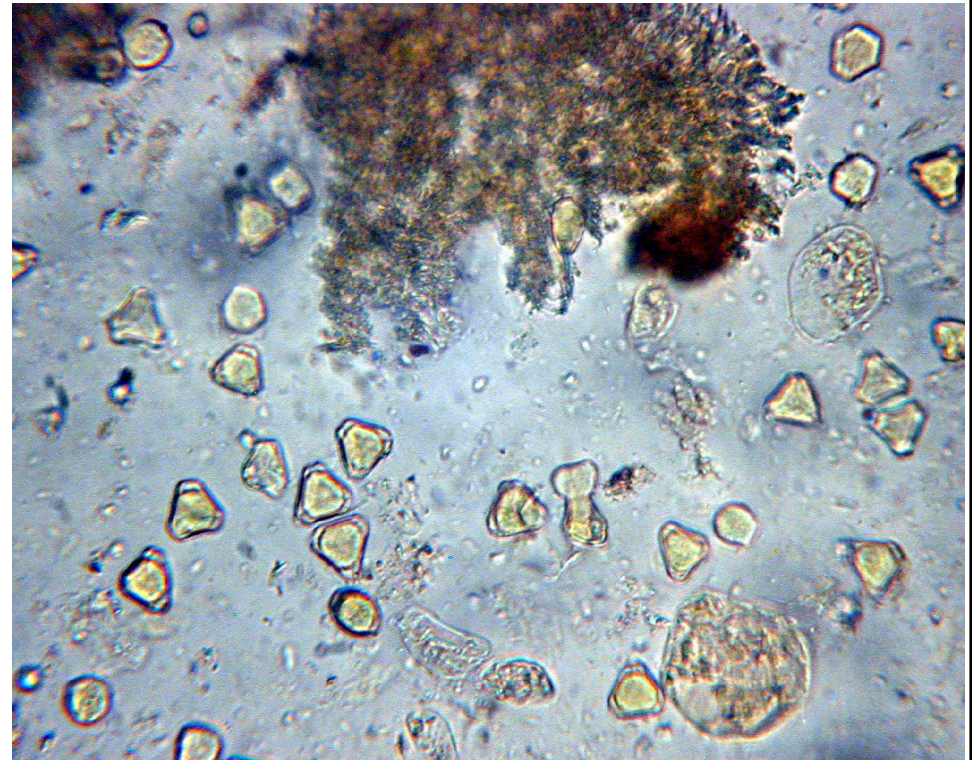
sclerides





Fibrous layer of anther

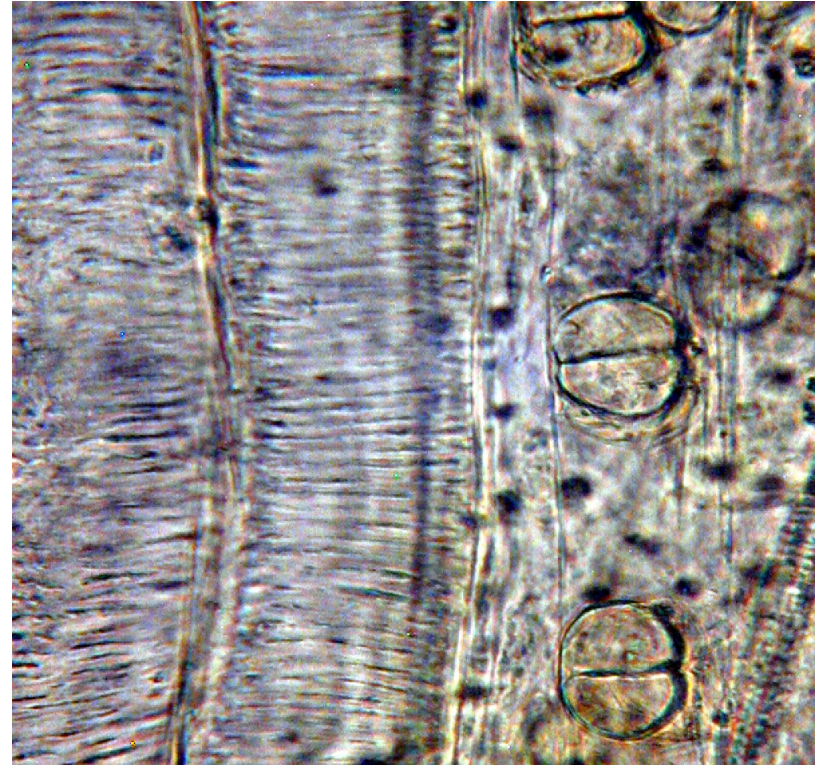
Clove K.E.



Triangular pollen grains



Papillosed stigma



Ovary wall

Chamomile K.E.



Pollen grain



Ahmed Awad Zaki